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PTO/SB/98 (08-09)

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Sidney E. Clark et al.Application No./Patent No.: 7,172,698Filed/Issue Date: February 6, 2007Titled: ANAEROBIC SLUDGE DIGESTERChicago Bridge & Iron Company  
(Name of Assignee)Corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ an assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014940, Frame 0974, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

David A. Delman  
Signature  
David A. Delman  
Printed or Typed Name

Executive Vice President  
Date  
Executive Vice President  
Title

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Name of Assignee: CHICAGO BRIDGE & IRON COMPANY  
Address of Assignee: 14105 S. Route 59  
Plainfield, Illinois 60544-8984

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION  
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, CHICAGO BRIDGE & IRON COMPANY, the assignee of the patent application listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent application listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent application listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 90641

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

**Please use address associated with PTO Customer Number 90641.**

**Please direct telephone calls to: Jeffrey S. Bergman (713) 228-8600.**

**Please direct facsimiles to: (713) 228-8778.**

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code.

Signature:



Dated:

5/11/10

Printed Name:

David A. Delman

Title:

Executive Vice President

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APPENDIX A

## 1. Patent Application/Serial No.: 5,529,200

Assignee(s): CHICAGO BRIDGE &amp; IRON COMPANY

Reel/Frame(s): 008376/0453

Title: FLOATING ROOF METALLIC SHOE SEAL  
SPRING HANGER SYSTEM

Issued/Filed: June 25, 1996

Previous Attorney Docket No.: 03014/32412

New Attorney Docket No.: 17601/072001

## 2. Patent Application/Serial No.: 12/186,039

Assignee(s): CHICAGO BRIDGE &amp; IRON COMPANY

Reel/Frame(s): 021873/0435

Title: METHOD AND APPARATUS FOR  
INSULATING A COMPONENT OF A LOW-  
TEMPERATURE OR CRYOGENIC STORAGE  
TANK

Issued/Filed: August 05, 2008

Previous Attorney Docket No.: 03014/1142

New Attorney Docket No.: 17601/063001

## 3. Patent Application/Serial No.: 12/112,574

Assignee(s): CHICAGO BRIDGE &amp; IRON COMPANY

Reel/Frame(s): 020904/0140

Title: METHOD OF BUILDING ELEVATED WATER  
STORAGE TANKS

Issued/Filed: April 30, 2008

Previous Attorney Docket No.: 03014/1141

New Attorney Docket No.: 17601/062001

4. **Patent Application/Serial No.:** 11/711,401  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 019041/0708  
**Title:** LIQUID STORAGE TANK WITH DRAFT TUBE MIXING SYSTEM  
**Issued/Filed:** February 27, 2007  
**Previous Attorney Docket No.:** 03014/1139  
**New Attorney Docket No.:** 17601/061001
5. **Patent Application/Serial No.:** 7,493,778  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 018329/0586  
**Title:** BOIL-OFF GAS CONDENSING ASSEMBLY FOR USE WITH LIQUID STORAGE TANKS  
**Issued/Filed:** February 24, 2009  
**Previous Attorney Docket No.:** 03014/1135  
**New Attorney Docket No.:** 17601/057001
6. **Patent Application/Serial No.:** 11/439,471  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 017928/0959  
**Title:** STORAGE TANK WITH SELF-DRAINING FULL-CONTACT FLOATING ROOF  
**Issued/Filed:** May 23, 2006  
**Previous Attorney Docket No.:** 03014/1126  
**New Attorney Docket No.:** 17601/055001

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7. Patent Application/Serial No.: 7,588,664  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 017920/0602  
Title: OIL DISTILLATION VACUUM COLUMN WITH THICKENED PLATE IN THE VAPOR HORN SECTION  
Issued/Filed: September 15, 2009  
Previous Attorney Docket No.: 03014/1122  
New Attorney Docket No.: 17601/054001
8. Patent Application/Serial No.: 7,162,844  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 013648/0514  
Title: USE OF PARTIAL PRECAST PANELS FOR CONSTRUCTION OF CONCRETE WALLS AND SHELLS  
Issued/Filed: January 16, 2007  
Previous Attorney Docket No.: 03014/1087  
New Attorney Docket No.: 17601/051001
9. Patent Application/Serial No.: 7,172,698  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 014940/0974  
Title: ANAEROBIC SLUDGE DIGESTER  
Issued/Filed: February 6, 2007  
Previous Attorney Docket No.: 03014/1086  
New Attorney Docket No.: 17601/050001

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10. Patent Application/Serial No.: 6,814,874  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 014434/0200  
Title: CLARICONE SLUDGE LEVEL CONTROL SYSTEM  
Issued/Filed: November 9, 2004  
Previous Attorney Docket No.: 03014/1078  
New Attorney Docket No.: 17601/048001
11. Patent Application/Serial No.: 7,044,322  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 014105/0921  
Title: SPRING-LOADED SECONDARY SEAL FOR FLOATING-ROOF STORAGE TANK  
Issued/Filed: May 16, 2006  
Previous Attorney Docket No.: 03014/1076  
New Attorney Docket No.: 17601/047001
12. Patent Application/Serial No.: 6,673,240  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 015676/0745  
Title: FEED CONTROL SYSTEM FOR LIQUID CLARIFICATION TANKS  
Issued/Filed: January 6, 2004  
Previous Attorney Docket No.: 03014/1061  
New Attorney Docket No.: 17601/044001

13. Patent Application/Serial No.: 6,470,706  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 011235/0308  
Title: SYSTEM AND APPARATUS FOR CONDENSING  
BOIL-OFF VAPOR FROM A LIQUIFIED  
NATURAL GAS CONTAINER  
Issued/Filed: October 29, 2002  
Previous Attorney Docket No.: 03014/1069  
New Attorney Docket No.: 17601/043002
14. Patent Application/Serial No.: 6,405,596  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 011656/0805  
Title: ULTRASONIC AUSTENITIC WELD SEAM  
INSPECTION METHOD AND APPARATUS  
Issued/Filed: June 18, 2002  
Previous Attorney Docket No.: 03014/1070  
New Attorney Docket No.: 17601/042001
15. Patent Application/Serial No.: 6,354,488  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 012092/0047  
Title: SECONDARY SEAL FOR FLOATING ROOF  
STORAGE TANK  
Issued/Filed: March 12, 2002  
Previous Attorney Docket No.: 03014/1062  
New Attorney Docket No.: 17601/041001



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16. Patent Application/Serial No.: 6,318,034  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 010828/0070  
Title: ELEVATED STORAGE TANK  
Issued/Filed: November 20, 2001  
Previous Attorney Docket No.: 03014/1059  
New Attorney Docket No.: 17601/040001
17. Patent Application/Serial No.: 6,321,916  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 011051/0896  
Title: LIQUID CLARIFICATION TANK  
Issued/Filed: November 27, 2001  
Previous Attorney Docket No.: 03014/1052A  
New Attorney Docket No.: 17601/039001
18. Patent Application/Serial No.: 6,408,609  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 011258/0845  
Title: METHOD AND APPARATUS FOR ENHANCING  
POWER OUTPUT AND EFFICIENCY OF  
COMBUSTION TURBINES  
Issued/Filed: June 25, 2002  
Previous Attorney Docket No.: 03014/32000  
New Attorney Docket No.: 17601/038001

19. Patent Application/Serial No.: 6,092,671  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 009784/0281  
Title: LIQUID CLARIFICATION TANK  
Issued/Filed: July 25, 2000  
Previous Attorney Docket No.: 03014/1052  
New Attorney Docket No.: 17601/036001
20. Patent Application/Serial No.: 6,282,863  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 010119/0320  
Title: SCAFFOLDLESS TANK ERECTION METHOD  
Issued/Filed: September 4, 2001  
Previous Attorney Docket No.: 03014/1051  
New Attorney Docket No.: 17601/035001
21. Patent Application/Serial No.: 6,171,498  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 009288/0264  
010885/0987  
Title: UPFLOW WATER CLARIFIER WITH CENTRAL  
PIER  
Issued/Filed: January 9, 2001  
Previous Attorney Docket No.: 03014/34385  
New Attorney Docket No.: 17601/033001

22. Patent Application/Serial No.: 5,899,039  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 009124/0649  
Title: METHOD FOR INSTALLING A SUSPENDED  
CEILING IN A STORAGE TANK  
Issued/Filed: May 4, 1999  
Previous Attorney Docket No.: 03014/34466  
New Attorney Docket No.: 17601/032001
23. Patent Application/Serial No.: 6,193,848  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 009765/0619  
Title: PRESSURE-TIGHT VESSEL FOR CYCLIC  
THERMAL HANDLING  
Issued/Filed: February 27, 2001  
Previous Attorney Docket No.: 03014/34623  
New Attorney Docket No.: 17601/031001
24. Patent Application/Serial No.: 5,865,605  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 008718/0473  
Title: METHOD AND APPARATUS FOR REMOVING  
A HIGH PRESSURE IN-TANK PUMP USING A  
LOW PRESSURE TUBE  
Issued/Filed: February 2, 1999  
Previous Attorney Docket No.: 03014/33337  
New Attorney Docket No.: 17601/030001

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**25. Patent Application/Serial No.: 5,735,600****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 008149/0935  
008376/0453**Title:** METHOD AND APPARATUS FOR  
AUTOMATICALLY MIXING DRINKING  
WATER IN A RESERVOIR**Issued/Filed:** April 7, 1998**Previous Attorney Docket No.:** 03014/33284**New Attorney Docket No.:** 17601/028001**26. Patent Application/Serial No.: 5,716,519****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007968/0515  
008376/0453**Title:** APPARATUS FOR DISCHARGING FLUID  
ADDITIVES INTO A WATER TREATMENT  
VESSEL**Issued/Filed:** February 10, 1998**Previous Attorney Docket No.:** 03014/33069**New Attorney Docket No.:** 17601/027001

**27. Patent Application/Serial No.: 5,590,535****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007845/0024  
008376/0453**Title:** PROCESS AND APPARATUS FOR  
CONDITIONING CRYOGENIC FUEL TO  
ESTABLISH A SELECTED EQUILIBRIUM  
PRESSURE**Issued/Filed:** January 7, 1997**Previous Attorney Docket No.:** 03014/32745**New Attorney Docket No.:** 17601/024001**28. Patent Application/Serial No.: 5,958,249****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 009124/0229**Title:** METHOD AND APPARATUS FOR  
WITHDRAWING EFFLUENT FROM A SOLIDS-  
CONTACTING VESSEL**Issued/Filed:** September 28, 1999**Previous Attorney Docket No.:** 03014/34397**New Attorney Docket No.:** 17601/023002

**29. Patent Application/Serial No.: 5,695,648****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007983/0286  
008376/0453**Title:** METHOD AND APPARATUS FOR  
WITHDRAWING EFFLUENT FROM A SOLIDS-  
CONTACTING VESSEL HAVING AN  
ADJUSTABLE WEIR**Issued/Filed:** December 9, 1997**Previous Attorney Docket No.:** 03014/32878**New Attorney Docket No.:** 17601/023001**30. Patent Application/Serial No.: 5,513,961****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007165/0908  
008376/0453**Title:** METHOD AND APPARATUS FOR IMPROVING  
PUMP NET POSITIVE SUCTION HEAD**Issued/Filed:** May 7, 1996**Previous Attorney Docket No.:** 03014/31737**New Attorney Docket No.:** 17601/022001

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**31. Patent Application/Serial No.: 5,655,377****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 008241/0324  
012447/0007**Title:** METHOD OF LOW-TEMPERATURE  
STRATIFIED CHILLED WATER STORAGE**Issued/Filed:** August 12, 1997**Previous Attorney Docket No.:** 03014/32002**New Attorney Docket No.:** 17601/020002**32. Patent Application/Serial No.: 5,465,585****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007152/0686  
012447/0007**Title:** METHOD OF LOW-TEMPERATURE  
STRATIFIED CHILLED WATER STORAGE**Issued/Filed:** November 14, 1995**Previous Attorney Docket No.:** 03014/32001**New Attorney Docket No.:** 17601/020001**33. Patent Application/Serial No.: 5,667,091****Assignee(s):** CHICAGO BRIDGE & IRON COMPANY**Reel/Frame(s):** 007373/0990  
008376/0453**Title:** MOUNTING SYSTEM FRO FLOATING ROOF  
SEALS**Issued/Filed:** September 16, 1997**Previous Attorney Docket No.:** 03014/32057**New Attorney Docket No.:** 17601/017001

- 34. Patent Application/Serial No.:** 5,526,678  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 007236/0154  
008376/0453  
**Title:** TIEM OF FLIGHT MEASUREMENT/RATE OF  
RISE MEASUREMENT METHOD FOR REMOTE  
LEAK DETECTION IN EVACUATED SPACES  
**Issued/Filed:** June 18, 1996  
**Previous Attorney Docket No.:** 03014/31963  
**New Attorney Docket No.:** 17601/016001
- 35. Patent Application/Serial No.:** 5,375,733  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 006758/0526  
008376/0453  
**Title:** CORNER LOCK FOR LINING TANK BOTTOMS  
**Issued/Filed:** December 27, 1994  
**Previous Attorney Docket No.:** 03014/31612  
**New Attorney Docket No.:** 17601/015001
- 36. Patent Application/Serial No.:** 5,307,641  
**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY  
**Reel/Frame(s):** 006438/0072  
008376/0453  
**Title:** METHOD AND APPARATUS FOR PRODUCING  
ICE BY DIRECT CONTACT OF A NON-  
HYDRATE PRODUCING REFRIGERANT WITH  
WATER  
**Issued/Filed:** May 3, 1994  
**Previous Attorney Docket No.:** 03014/30879  
**New Attorney Docket No.:** 17601/013001



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37. Patent Application/Serial No.: 5,353,941  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 006599/0290  
008376/0453  
Title: ADJUSTABLE FLOATING ROOF SUPPORTS  
FOR REDUCED VAPOR LOSS  
Issued/Filed: October 11, 1994  
Previous Attorney Docket No.: 03014/31085  
New Attorney Docket No.: 17601/012001
38. Patent Application/Serial No.: 5,176,161  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 006008/0925  
008376/0453  
Title: APPARATUS AND METHOD FOR  
CONTROLLED FLOW DISTRIBUTION  
Issued/Filed: January 5, 1993  
Previous Attorney Docket No.: 03014/30614  
New Attorney Docket No.: 17601/008001
39. Patent Application/Serial No.: 5,147,418  
Assignee(s): CHICAGO BRIDGE & IRON COMPANY  
Reel/Frame(s): 006002/0697  
008376/0453  
Title: VOLATILE LIQUID STORAGE SYSTEM  
Issued/Filed: September 15, 1992  
Previous Attorney Docket No.: 03014/30552  
New Attorney Docket No.: 17601/006001

**40. Patent Application/Serial No.:** 5,256,993

**Assignee(s):** CHICAGO BRIDGE & IRON COMPANY

**Reel/Frame(s):** 005405/0060

005695/0422

008376/0453

**Title:** COIL CONTAINMENT VESSEL FOR  
SUPERCONDUCTING MAGNETIC ENERGY  
STORAGE

**Issued/Filed:** October 26, 1993

**Previous Attorney Docket No.:** 03014/9214

**New Attorney Docket No.:** 17601/003001